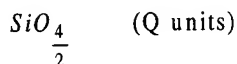
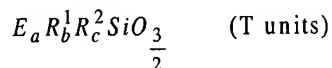
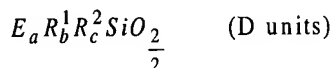
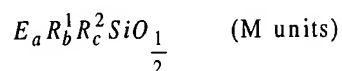


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A high weather and chemical resistant, addition-crosslinkable, epoxy-functional organopolysiloxane resin which contains at least one or more of the repeating units having the formulae:



wherein E is an epoxy-functional C₁₋₁₈ hydrocarbon group containing one or more oxygen atoms, provided that no oxygen atom is directly bonded to a Si- atom; and

R¹ and R² are independently a C₁₋₂₀ hydrocarbon, optionally interspersed with a heteroatom linking group;

a is an integer of 0, 1, or 2;

b is an integer of 0, 1, 2 or 3;

c is an integer of 0, 1, 2 or 3; and

in M units, a+b+c=3,

in D units, $a+b+c=2$,
in T units, $a+b+c=1$,

wherein the M units are present in less than about 40 mole percent;
the D units are present in an amount of up to about 40 mole percent; and
the molecule, on average, contains at least two E components.

2. (Original) The resin of claim 1 wherein the hydrocarbon group of E comprises a C_{3-12} hydrocarbon group.

A (3. (Original) The resin of claim 1 wherein the epoxy-functional organopolysiloxane resin has an alkoxy content of less than about 20 weight percent, based on the weight of the epoxy-functional organopolysiloxane resin.

4. (Original) The resin of claim 1 wherein the epoxy-functional organopolysiloxane resin has an epoxy equivalent weight in the range of about 150-1000.

5. (Original) The resin of claim 2 wherein the epoxy-functional organopolysiloxane resin has an epoxy equivalent weight in the range of about 200-600.

6. (Original) The resin of claim 5 wherein the epoxy-functional organopolysiloxane resin has a viscosity in the range of about 200-70,000 cps at 25°C.

7. (Original) The resin of claim 6 wherein the E is glycidoxypropyl

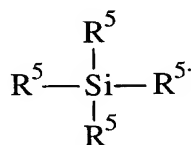


8. (Original) The resin of claim 6 wherein the epoxy-functional organopolysiloxane resin comprises T units and the T units include structures selected from the group consisting of silsequioxane and polysilsesquioxane structures.

9. (Original) The resin of claim 1 wherein the resin has a molecular weight between about 750 and 25,000.

10. (Original) The resin of claim 1 wherein the epoxy-functional organopolysiloxane resin is prepared by reacting a silicone resin with a silane having at least one epoxy group per molecule.

11. (Original) The resin of claim 10 wherein the silane is represented by the formula:



wherein each R^5 is individually selected from the group consisting of alkyl (C_{1-12}), aryl (C_{6-9}), vinyl, glycol, alkoxy (C_{1-12}), and an epoxy functional C_{1-18} hydrocarbon group of the formula $\text{R}^6 - \text{E}^1$ wherein E^1 comprises an epoxy group and R^6 comprises a C_{1-18} hydrocarbon group optionally interspersed with at least one heteroatom linking group, with the proviso that at least one R^5 comprises $\text{R}^6 - \text{E}^1$.

12. (Original) The resin of claim 11 wherein the heteroatom linking group, if present, is not adjacent to the E^1 group.

13. (Original) The resin of claim 11 wherein the hydrocarbon group of the R^6 comprises a C_{3-12} hydrocarbon group.

14. (Original) The resin of claim 11 wherein the silane has a molecular weight in the range of about 100 to about 750.

15. (Original) The resin of claim 14 wherein the silane has an epoxy-functionality in the range of about 1 to about 4.

16. (Original) The resin of claim 15 wherein the silane has an alkoxy functionality in the range of about 1 to about 4.

Al 17. (Original) The resin of claim 13 wherein R⁶-E¹ is glycidoxypropyl



18. (Original) The resin of claim 11 wherein the silane a γ -glycidoxypropylsilane having C₁₋₁₂ alkoxygroups.

19. (Original) The resin of claim 10 wherein the silicone has a molecular weight in the range of about 300 to about 15000.

20. (Original) The resin of claim 7 wherein the resin comprises about 70 mole percent T units and about 30 mole percent D Units.

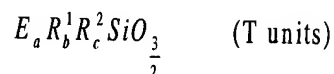
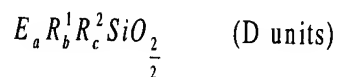
21. (Original) The resin of claim 1 wherein the resin is a liquid and has a molecular weight of about 500-5,000.

22. (Original) The resin of claim 21 wherein the resin has a molecular weight of about 1,200.

23. (Original) The resin of claim 22 wherein the molecule contains at least three E components.

24-25. (Cancelled)

26. (New) A high weather and chemical resistant, addition-crosslinkable, epoxy-functional organopolysiloxane resin which contains at least one or more of the repeating units having the formulae:



wherein E is an epoxy-functional C_{1-18} hydrocarbon group containing one or more oxygen atoms, provided that no oxygen atom is directly bonded to a Si- atom; and

R^1 and R^2 are independently a C_{1-20} hydrocarbon, optionally interspersed with a heteroatom linking group;

a is an integer of 0, 1, or 2;

b is an integer of 0, 1, 2 or 3;

c is an integer of 0, 1, 2 or 3; and

in D units, $a+b+c=2$,

in T units, $a+b+c=1$,

wherein the D units are present in about 30 mole percent;
the T units are present in about 70 mole percent; and
the molecule, on average, contains at least two E components.

27. (New) The resin of claim 26 wherein the epoxy-functional organopolysiloxane resin has an epoxy equivalent weight in the range of about 200-600.

28. (New) The resin of claim 27 wherein the epoxy-functional organopolysiloxane resin has a viscosity in the range of about 200-70,000 cps at 25°C.

29. (New) The resin of claim 28 wherein the E is glycidoxypropyl

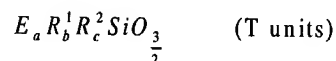
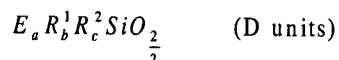


30. (New) An epoxy-functional organopolysiloxane coating composition comprising:

a hardener;

an acrylic resin; and

an epoxy-functional organopolysiloxane resin which contains at least one or more of the repeating units having the formulae:



wherein E is an epoxy-functional C₁₋₁₈ hydrocarbon group containing one or more oxygen atoms, provided that no oxygen atom is directly bonded to a Si- atom;
and
R¹ and R² are independently a C₁₋₂₀ hydrocarbon, optionally interspersed with a heteroatom linking group;
a is an integer of 0, 1, or 2;

b is an integer of 0, 1, 2 or 3;
c is an integer of 0, 1, 2 or 3; and
in D units, $a+b+c=2$,
in T units, $a+b+c=1$,

wherein the D units are present in about 30 mole percent;
the T units are present in about 70 mole percent; and
the molecule, on average, contains at least two E components.

31. (New) The composition of claim 30 wherein the epoxy-functional organopolysiloxane resin has an epoxy equivalent weight in the range of about 200-600.

32. (New) The composition of claim 31 wherein the epoxy-functional organopolysiloxane resin has a viscosity in the range of about 200-70,000 cps at 25°C.

33. (New) The composition of claim 32 wherein the E is glycidoxypropyl

